

Title (en)
AN ELECTRONIC PARALLEL PROCESSING CIRCUIT

Title (de)
ELEKTRONISCHE PARALLELVERARBEITUNGSSCHALTUNG

Title (fr)
CIRCUIT DE TRAITEMENT PARALLELE ELECTRONIQUE

Publication
EP 1851619 A2 20071107 (EN)

Application
EP 06710861 A 20060209

Priority
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Abstract (en)
[origin: WO2006085277A2] The electronic circuit contains a plurality of processing elements (10), which are supplied with instructions under control of a common program flow, typically for SIMD operation wherein the same instructions are applied to all processing elements and different operand data of the instructions to respective ones of the processing elements (10). Under control of the instructions each processing element (10) determines, whether an operand data dependent condition has occurred. The processing element outputs a condition signal dependent on said determination. The condition signals are summed to form a sum signal. Program flow is controlled by a conditional jump dependent on a value represented by the sum signal.

IPC 8 full level
G06F 9/32 (2006.01)

CPC (source: EP KR US)
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